

## Contents of volume 38

### Number 1, 5 March 1992

Announcement from the Publisher

v

#### Review

- Signal transduction of V<sub>1</sub>-vascular vasopressin receptors  
*M. Thibonnier (U.S.A.)*

1

#### Regular papers

- Influence of opioids on substance P release evoked by antidromic stimulation of primary afferent fibers in the hind instep of rats

*N. Yonehara, Y. Imai, J.-Q. Chen, S. Takiuchi and R. Inoki (Japan)* 13

- Isolation and primary structure of an amphibian neuropeptidin

*C. Shaw, D. M. McKay, D. W. Halton, L. Thim and K. D. Buchanan (Northern Ireland, Denmark)* 23

- Methionine<sup>5</sup>-enkephalin and opiate binding sites in the neurohypophysis of the bird, *Gallus domesticus*

*R. Martin, G. P. McGregor, G. Halbinger, N. Falke and K.-H. Voigt (Germany)* 33

- Pituitary adenylate cyclase-activating polypeptide (PACAP) stimulates cyclic AMP formation as well as peptide output of cultured pituitary melanotrophs and AtT-20 corticotrophs

*B. Koch and B. Lutz-Bucher (France)* 45

- Thyrotropin-releasing hormone action in the preoptic/anterior hypothalamus decreases thermoregulatory set point in ground squirrels

*J. H. Hendriksen, P. A. Bachelor, R. J. Newman and T.L. Stanton (U.S.A.)* 55

- Renal, cardiovascular and endocrine effects of centrally administered galanin in the anaesthetised rat

*R. J. Balment and K. Al Barazanji (U.K.)* 71

- Modulation of human natural killer activity by vasoactive intestinal peptide (VIP) family. VIP, glucagon and GHRF specifically inhibit NK activity

*M. C. Sirianni, B. Annibale, F. Tagliaferri, S. Fais, S. De Luca, F. Pallone, G. Delle Fave and F. Aiuti (Italy)* 79

- Glucose- and concentration-dependence of vasopressin-induced hormone release by mouse pancreatic islets

*Z.-Y. Gao, M. Gérard and J.-C. Henquin (Belgium)* 89

- Announcements

99

### Number 2, 19 March 1992

Announcement from the Publisher

iii

- Peptide histidine valine (PHV) is present and biologically active in the human female genital tract

*C. Palle, B. Ottesen and J. Fahrenkrug (Denmark)* 101

Effects of angiotensin analogues and angiotensin receptor antagonists on paraventricular neurones <i>P. Ambühl, D. Felix, H. Imboden, M. C. Khosla and C. M. Ferrario (Switzerland; USA)</i>	111
Fluoxetine pretreatment potentiates intracisternal TRH analogue-stimulated gastric acid secretion in rats <i>R. A. Shockley, K. J. LePard and R. L. Stephens, Jr. (USA)</i>	121
Effects of thyrotropin releasing hormone and its analogues on unconsciousness following head injury in mice <i>K.-i. Tanaka, N. Ogawa, H.-h. Chou, A. Mori and N. Yanaihara (Japan)</i>	129
Stimulatory effects of islet amyloid polypeptide (amylin) on exocrine pancreas and gastrin release in conscious rats <i>A. Funakoshi, K. Miyasaka, K. Kitani, J. Nakamura, S. Funakoshi, H. Fukuda and N. Fujii (Japan)</i>	135
Chemical characterization of vasoactive intestinal polypeptide-like immunoreactivity in ovine hypothalamus and intestine <i>A. Miyata, L. Jiang, H. H. Stibbs and A. Arimura (USA)</i>	145
Vasoactive intestinal polypeptide induces neurogenic contraction of guinea-pig ileum. Involvement of acetylcholine and substance P <i>S. Katsoulis, W. E. Schmidt, A. Clemens, H. Schwörer and W. Creutzfeldt (Germany)</i>	155
Announcements	165

### **Number 3, 9 April 1992**

Announcement from the Publisher	iii
Somatostatin inhibition of gastric gene expression: involvement of pertussis toxin-sensitive and -insensitive pathways <i>P. S. Karnik, H. Dushkin and M. M. Wolfe (USA)</i>	167
Extrinsic control of the release of galanin and VIP from intrinsic nerves of isolated, perfused, porcine ileum <i>T. Messell, H. Harling, S. S. Poulsen, M. Bersani and J. J. Holst (Denmark)</i>	179
Pituitary adenylate cyclase activating polypeptide-27 (PACAP-27) inhibits pentagastrin-stimulated gastric acid secretion in conscious rats <i>Z. Mungan, V. Ozmen, A. Ertan and A. Arimura (USA)</i>	199
Dose-related involvement of CCK in bombesin-induced pancreatic growth <i>R.-M. Liehr, R. D. Reidelberger, S. Rosewicz, L. J. Bussjaeger and T. E. Solomon (USA, Germany)</i>	207
Abnormalities of the thyroid hormone negative feedback regulation of TSH secretion in spontaneously hypertensive rats <i>T. O. Bruhn and I. M. D. Jackson (USA)</i>	221
Effect of 80 kDa protein of porcine follicular fluid on gonadotropin stimulated progesterone production in rat granulosa cells in vitro <i>P. J. Bhat and N. R. Moudgal (India)</i>	231
Announcements	239
Author index	240
Key word index	242

